

Report Documentation Page

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Incidence of tricyclic antidepressant-like complications after cyclobenzaprine overdose^{☆,☆☆}

To the Editor,

We thank the authors for their comments of our study. We agree that an ideal study of acute cyclobenzaprine toxicity would be prospective with blood levels, review of electrocardiograms by 2 reviewers, and prospective collection of data from hospital records. Because this type of study is both expensive and it is difficult to find centers with sufficient cases, it is rarely performed. In lieu of this ideal study, we used a retrospective data set to evaluate a large volume of short-term cases as reported to several poison centers, a source of cases used to develop clinical guidelines [1].

We evaluated almost 4000 cases but focused on the most thoroughly documented 209 cases that had follow-up, had near certain ingestion by the specialist in poison information, and had therapies documented. We aimed to maintain rigorous methods for a retrospective study, and we listed several limitations including sample size and use of only poison center records [2]. In addition, our conclusion in the article qualified that this study includes only cases "reported to poison centers." Finally, 2 cases received bicarbonate, but as we reported, no dysrhythmia or seizure was noted in the record.

We may have missed serious effects from cyclobenzaprine; however, we detected several severe effects after tricyclic antidepressant ingestion (wide QRS, seizure, comma, hypotension, and death), which suggests that our approach to recording clinical effects and treatments may be valid.

Although we did not detect a serious dysrhythmia in our study of 4000 cyclobenzaprine cases, it could occur. However, our results are congruent with a previous study of 402 cases over 5 years [3]. In addition, a credible case of wide complex dysrhythmia associated with cyclobenzaprine

[☆] Oral presentation at the Mediterranean Emergency Medicine Conference, March 2007.

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has not been reported. Nonetheless, we welcome a prospective, multicenter study evaluating the clinical effects of acute cyclobenzaprine toxicity.

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Incidence of tricyclic antidepressant-like complications after cyclobenzaprine overdose[☆]

To the Editor,

Bebarta et al [1] commendably set out to determine whether patients who overdose on cyclobenzaprine are at risk for developing Tricyclic antidepressant (TCA)-like

[☆] Letter in response to Bebarta et al Incidence of tricyclic antidepressant-like complications after cyclobenzaprine overdose. *American Journal of Emergency Medicine* (2011) 29; 645-649.